

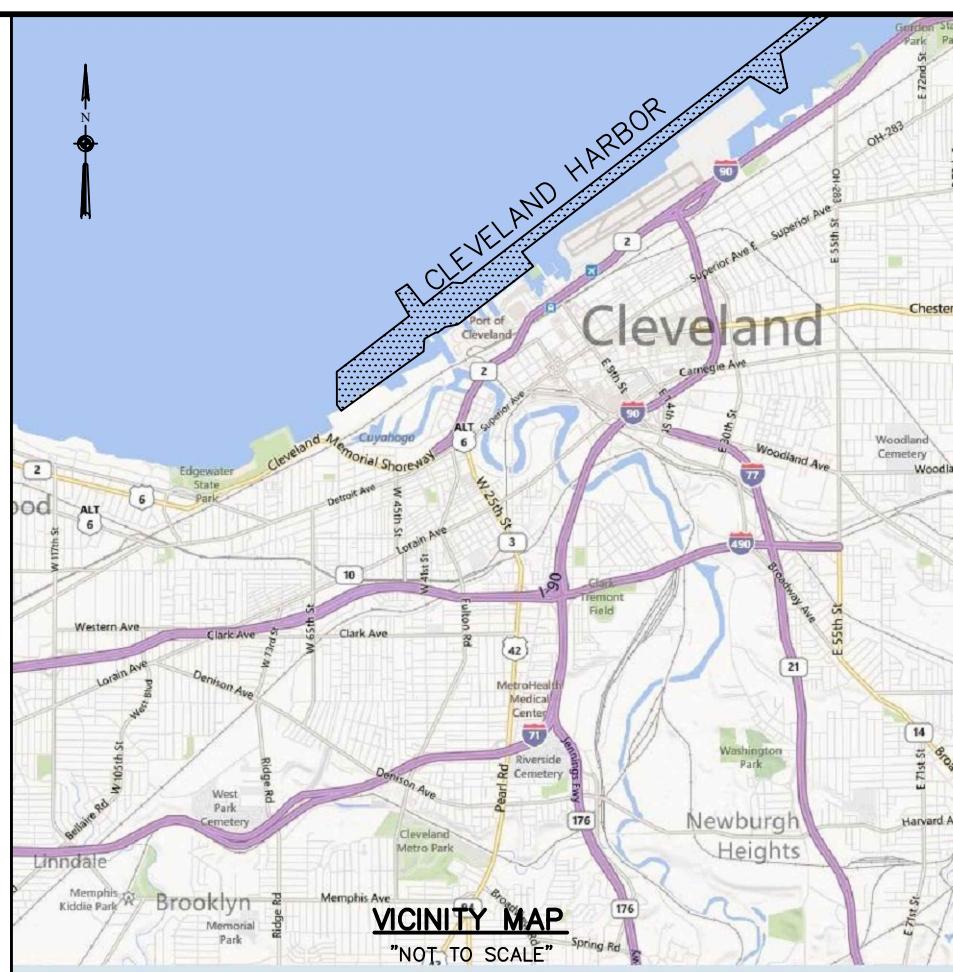
SOUNDING COLOR LEGEND	
DEPTHS 0.1' OR MORE ABOVE PROJECT DEPTH	
XX.X PROJECT DEPTH	

LEGEND OF SYMBOLS	
17+00	CHANNEL STATIONING
○ 417	CHANNEL CORNER
◎ H.L.F.	HARBOR LINE CORNER
— — —	FEDERAL CHANNEL
— — —	HARBOR LINE
— — —	SUBMARINE CABLE
— C —	CAN BUOY
— N —	NUN BUOY
— G —	LIGHTED BUOY
— F —	FIXED LIGHT
— W —	LIGHT COLOR WHITE
— R —	LIGHT COLOR RED
— G —	LIGHT COLOR GREEN
— FL —	FLASHING LIGHT
— F —	FIXED LIGHT
— Oc —	OCCULTING LIGHT
Iso	EQUAL INTERVAL
AL	ALTERNATING
Q	QUICK (FLASHING)
S	LIGHT CYCLE SECONDS

* * * S A F E T Y P A Y S * * *

SITE SPECIFIC NOTES:

1. PROJECT DEPTHS AND SOUNDINGS ARE REFERRED TO LOW WATER DATUM OF 569.2 FEET IGLD 1985.
2. HORIZONTAL CONTROL IS REFERRED TO NORTH AMERICAN DATUM 1983 (2011 ADJUSTMENT) OHIO STATE PLANE COORDINATE SYSTEM-NORTH ZONE.
3. SOUNDINGS SHOWN REPRESENT THE SHOLEST SOUNDING SORTED FROM FULL MULTIBEAM COVERAGE USING A 50'X20' HYPACK MATRIX.
4. PROJECT DEPTH IS AS NOTED BELOW LOW WATER DATUM.
5. SOUNDINGS WERE TAKEN BY THE BUFFALO DISTRICT ARMY CORPS OF ENGINEERS BY D. DELL AND PARTY ON SEPTEMBER 1, 2021 THROUGH SEPTEMBER 14, 2021 USING:
GPS POSITIONING: POS-MV VER.5 W/RTK TIDES
SONAR HEAD: 200 KHZ, 120 SONIC 2024 MULTIBEAM
1.5 DEGREE BEAMS 160 DEGREE ARC
HEAVE, PITCH AND ROLL: APPLANIX POS-MV VER. 5
VELOCITY PROFILER: SONTek CASTAWAY
HYPACK SURVEY SOFTWARE
SURVEY LAUNCH "MONSON"
6. THE SOUNDING INFORMATION DEPICTED ON THE MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATE INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITION AT THAT TIME.
7. THIS SURVEY WAS PREPARED IN ACCORDANCE WITH THE STANDARDS OUTLINED IN CORPS OF ENGINEERS HYDROGRAPHIC SURVEY MANUAL EM 1110-2-1003.



US Army Corps of Engineers Buffalo District

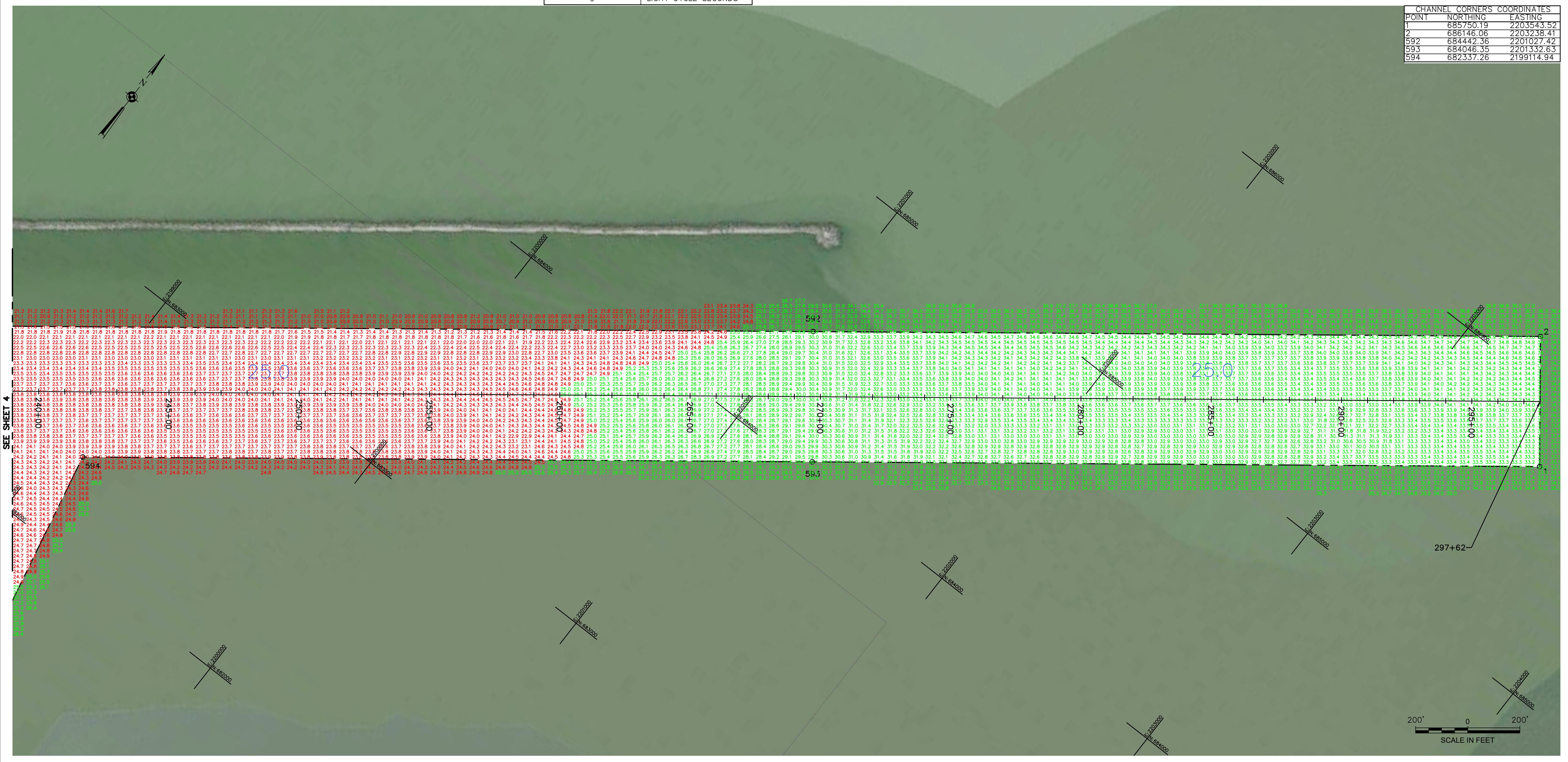
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CHANNEL CORNERS COORDINATES	
POINT	NORTHING EASTING
1	685750.79 2203543.52
2	686146.06 2203238.41
592	684442.36 2201072.42
593	684046.35 2201332.63
594	682337.26 2199114.94

** COPY OF SIGNED ORIGINAL **
Drawn By: KPL
Checked By: ACK
Reviewed By: Roman H. Finger III PLS
Chief, Survey Section
Approved by: Adam W. Hamm
Chief, NYPA Navigation and Maintenance Section

Date: September 22, 2021

To download an electronic version of this map, point a web browser to <http://www.infobase.army.mil/Library/HydropacChart.aspx>



Sheet reference number

VH-105

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